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# भारत का राजपत्र

## The Gazette of India

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सं. 27] नई दिल्ली, शनिवार, जुलाई 5, 1980 (आषाढ़ 14, 1902)

No. 27] NEW DELHI, SATURDAY, JULY 5, 1980 (ASADHA 14, 1902)

इस भाग में भिन्न पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate Paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2

#### [PART III—SECTION 2]

पेटेन्ट फारमलिय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS & DESIGNS

Calcutta, the 5th July 1980

CORRIGENDA

In the Gazette of India, Part III, Section 2, dated the 5th  
January 1980 under the heading 'COMPLETE SPECIFICA-  
TION ACCEPTED'.

(1) 4, column 2, line 3, against No. 147257.

for 'ELECTRICITY'.

read 'ELECTRICALLY'.

(2)

5, column 2, line 6, against No. 147259.

DETEREL'

read 'FEDERAL'

In the Gazette of India, Part III, Section 2 dated the 19th  
January 1980 under the heading "COMPLETE SPECIFICA-  
TION ACCEPTED".

(1)

On page 25 column 2, line 6, against No. 147280.

for 'REFS TLL B, 7000'

read 'BERGSALLE 8.7000'

(2)

In page 26 column 1, line 8, against No. 147284.

for 'OF BOULEVARD'

read 'OF 67 BOULEVARD'

1-137GT/81

(3)

In page 28, column 1, line 4, against No. 147293.

for 'SCHOOEMNN-SIEHAG'

read 'SCHLOEMANN-SIEMAG'

(4)

In page 28, column 1, line 1, against No. NIL insert  
'147294' at the right hand top corner of the said column.

(5)

In page 29, column 2, line 4, against No. 147301.

for 'PREPARATION'

read 'PREPARING'

In the Gazette of India, Part III, Section 2, dated the 26th  
January, 1980 under the heading 'COMPLETE SPECIFICA-  
TION ACCEPTED'.

(1)

In page 35, column 1, line 15, against No. 147304.

for 'on either side or an axle'

read 'on either side of an axle'

(2)

In page 35, column 2, line 7, against No. 147307.

for 'ROAD'

read 'MILL ROAD'

In the Gazette of India, Part III, Section 2, dated the 2nd  
February 1980, under the heading 'COMPLETE SPECIFI-  
CATION ACCEPTED'.

(361)

(1)

In page 47, column 1, line 7, against No. 147321.  
 for 'KIRKPATRICK'  
 read 'KIRKPATRICK'

(2)

In page 47, column 2, line 10, against No. 147322.  
 for 'PRASAD RUNTHAL'  
 read 'PRASAD RUNTHAL'

Division 101

(3)

In page 47, column 2, line 3, against No. 147324.  
 for 'CASES'  
 read 'GASES'

Date of

12 06 1980

Cell No.

Prescribed

Checked

In page 50, column 2, line 1, against No. 147334.  
 for "APPLICATION NO. 657/Cal/77"  
 read "APPLICATION NO. 587/Cal/77"

In the Gazette of India, Part III, Section 2, dated the 9th February 1980, under the heading, 'COMPLETE SPECIFICATION ACCEPTED'.

(1)

In page 77, column 1, after line 7, against No. 147384.  
 Insert "APPLICATION NO. 329/Cal/78 filed March 27, 1978".

In the Gazette of India Part III, Section 2, dated the 1st March 1980, under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 113, column 2, line 5, against No. 147442.  
 for "FLAKTABRIKEN"  
 read "FLAKTFABRIKEN"

(2)

In page 114, column 1, line 4, against No. 147444.  
 for "DECAVANDATE"  
 read "DECAVANADATE"

In the Gazette of India, Part III, Section 2, dated the 8th March 1980, under the heading "COMPLETE SPECIFICATION ACCEPTED".

(1)

In page 119, column 1, line 10, against No. 147449.  
 for "DR. ARIMPER".  
 read "DR. ARIMPUR"

(2)

In page 121, column 1, line 5, against No. 147459.  
 for "BACHENULACH"  
 read "BACHENBULACH"

(3)

In page 121, column 2, line 1, against No. n/a insert '147460' at the right hand top corner of the said column.

(4)

In page 122, column 2, line 11, against No. 147465.  
 for 'APPLICATION NO. 35/Cal/79'  
 read 'APPLICATION NO. 35/Cal/78'

In the Gazette of India, Part III Section 2, dated the 29th March 1980, under the heading "COMPLETE SPECIFICATION ACCEPTED".

In page 163, column 1, line 16, against No. 147524.  
 for "Patent Office, Calcutta"  
 read "Patent Office, Delhi Branch"

## THE PATENT OFFICE

## PATENTS AND DESIGNS

Calcutta, the 5th July 1980

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

29th May 1980

633/Cal/80. Lucas Industries Limited. Liquid fuel pumping apparatus. (July 6, 1979).

634/Cal/80. Industries Micro-Ondes Internationales-I. M.I.-S.A. Microwave heating apparatus.

635/Cal/80. Chloride India Limited. Microporous polymeric material for miner's cap lamp and process for the preparation thereof.

636/Cal/80. Hitachi Construction Machinery Co. Ltd. Excavator.

637/Cal/80. Hitachi Ltd. Transparent flat panel speaker.

638/Cal/80. VTM GmbH & Co. A container.

639/Cal/80. VTM GmbH & Co. A container.

30th May 1980

640/Cal/80. Schering Corporation. Beclomethasone ester solvates.

641/Cal/80. Reckitt & Colman Products Limited. Aqueous hypochlorite solutions. (May 30, 1979).

642/Cal/80. Institut Tekhnicheskoi Teplofiziki Akademii Nauk Ukrainskoi SSR, and Optynoe Konstruktorsko-Tekhnologicheskoe Buro Instituta Tekhnicheskoi Teplofiziki Akademii Nauk Ukrainskoi SSR. Method and apparatus for drying bulk materials.

643/Cal/80. Stanadyne, Inc. Cold temperature advance mechanism.

644/Cal/80. Sredneaziatsky Nauchno-Issledovatelsky Institut prirodno gaza. Continuous-bore-hole-logging method.

31st May 1980

645/Cal/80. Torun Bose. Newly designed hose clip.

646/Cal/80. Mobil Oil Corporation. Xylene isomerization.

647/Cal/80. Western Electric Company, Incorporated. Methods and apparatus for continuous extrusion. (June 4, 1979).

648/Cal/80. Instytut Obrobki Plastycznej. Forging device.

649/Cal/80. Ruhrgas Aktiengesellschaft and Loi Industrieofenanlagen GMBH. Process for the operation of the pre-mixture burners and burner for carrying out the process.

650/Cal/80. Sibirsksy Metallurgichesky Institut Imeni Sergo Ordzhonikidze. Apparatus for treating molten metal with gases and powdered materials.

651/Cal/80. Uralsky Nauchno-Issledovatelsky Institut-Chernykh Metallov. Method for treating metallurgical slag melts.

652/Cal/80. Dneprozerzhinsky Vagonostroitelny Zavod Imeni Gazety "Pravda". Car for receiving incandescent coke.

2nd June 1980

653/Cal/80. Dr. C. Otto & Comp. GMBH. Extraction of gases evolved in the charging of coke oven.

654/Cal/80. Dr. C. Otto & Comp. GMBH. A method of renewing the brickwork of coke ovens.

655/Cal/80. Dr. C. Otto & Comp. GMBH. Method of operating a coke-oven battery.

656/Cal/80. Donetsky Nauchno-Issledovatel'sky Institut Chernoi Metallurgii, Karagandinsky Metallurgichesky Kombinat and Zhdanovsky Metallurgichesky Zavod "Azovstal". Flame guniting lance.

657/Cal/80. Wheelabrator-Frye Inc. Airless centrifugal blast device.

3rd June 1980

658/Cal/80. Mariano Gomez-Olea Naveda. Magnet-electronic lock system.

659/Cal/80. Zellweger Uster Ltd. A method of adjusting a given pretension in threads on tensile strength testing apparatus and the like.

660/Cal/80. V. Stark. Solar energy system with composite concentrating lenses.

4th June 1980

661/Cal/80. Orissa Cement Limited. Method of manufacturing cement clinker.

662/Cal/80. Unie Van Kunststoffabrieken B. V. Process for preparing calciumsulphate hemihydrate.

663/Cal/80. Stamicarbon B. V. Filaments of high tensile strength and process for their preparation.

644/Cal/80. Korf-Stahl AG. Metallurgical furnace in particular an electric arc furnace.

#### APPLICATIONS FOR PATENTS AT THE

##### (DELHI BRANCH)

23rd April 1980

292/DEL/80. JMI Kynoch Limited. "Two-Layer Corrugated Cathode." (April 28, 1979).

293/DEL/80. Miles Laboratories, INC. "Test Device Resistant to Cross Contamination between Reactant Areas and Process for making it."

24th April 1980

294/DEL/80. Harkishan Singh and Dharam Paul. "Process for the Preparation of 17 $\beta$ -Hydroxy-17  $\alpha$ -Methyl-5'-Androstan- [3, 4-]-1', 2', 5'-Oxadiazole."

295/DEL/80. David Sushil Pillai. "A Refrigerator."

296/DEL/80 David Sushil Pillai. "A Refrigerator."

297/DEL/80. Bharat Heavy Electricals Limited. "A Process Controller."

298/DEL/80. Bharat Heavy Electricals Limited. "A Auto Manual Station."

299/DEL/80. Bharat Heavy Electricals Limited. "A Microprocessor System."

300/DEL/80. Bharat Heavy Electricals Limited. "An Instructor Console."

301/DEL/80. The Standard Oil Company. "Acrylonitrile Purification."

302/DEL/80. Miles Laboratories, INC. "Device and Method for Simulating Bilirubin in Urine."

25th April 1980

303/DEL/80. Nar Vijay Singh Yadav. "New Type of Rail Joint."

304/DEL/80. Nolek System AB. "Quick Coupling Device."

305/DEL/80. Aluminum Company of America. "Purification of Aluminum Chloride."

26th April 1980

306/DEL/80. Varahur Srinivasa Satyanarayana. "High Economy Pistons and Piston Rings."

307/DEL/80 Miles Laboratories, INC. "Chemiluminescent Analytical Device."

28th April 1980

308/DEL/80. Er. Ajendra Kumar Mittal. "Two New Methods to Convert Linear Motion into Circulatory Motion."

309/DEL/80 Telefonaktiebolaget L M Ericsson. "A Method and an Arrangement for Supervising Faults when Transmitting Data between Computers."

310/DEL/80 The Allor Foundation. "Method of Laboratory Testing in Water-Based Culture Media for Zones of Inhibition."

311/DEL/80. ROHM Gmb H. "Enzymatic Process for the Treatment of Skins and Hides."

312/DEL/80. Lucas Industries Limited. "Battery Charging System." (November, 8, 1975) [Divisional date November, 1st, 1976].

313/DEL/80. Council of Scientific & Industrial Research. "An Improved Air Spore Sampler Device."

314/DEL/80. Council of Scientific & Industrial Research. "Preparation of Synthetic Iron Oxide brown pigment."

315/DEL/80. Council of Scientific & Industrial Research. "A Process for the Synthesis of 3-Substituted-9H-Pyrido (3, 4-b) indoles as tubal and vasal Occluding Agents."

316/DEL/80. Council of Scientific & Industrial Research. "A Process for the Synthesis of Substituted-9H-Pyrido (3, 4-b)-Indole-3-Carboxamides and 3-Substituted triazolyl-9H-Pyrido (3, 4-b) Indoles as tubal and vasal occluding agents."

29th April 1980

317/DEL/80. C-I-L INC. "Method of Welding Metal Pipe Sections with Explosives".

318/DEL/80. Schering Aktiengesellschaft. "Insecticidally active thiadiazolidene-oxo-propionitriles and their manufacture and use."

#### APPLICATIONS FOR PATENTS FILED AT THE BOMBAY BRANCH

5th May 1980

121/BOM/80. Virendra Baghmalji Jain. Improved control means for machines for embossing and welding sheets of the thermoplastic materials by the heating effect of electric stress alternating at high frequency.

6th May 1980

122/BOM/80. Rewati Balchandra Sane. 'Hot blast plant for cupola furnace'.

123/BOM/80 Vacuum Plant and Instruments Manufacturing Company Private Limited. 'Right angle valve'.

7th May 1980

124/BOM/80. The Indian Council of Agricultural Research. 'A process for the modification of the properties of viscose rayon'.

125/BOM/80. Jyoti Limited. 'Mains operated current regulated high voltage D.C. power supply for plasma tube.'

126/BOM/80. Jyoti Limited. 'Battery operated current regulated high voltage D.C. power supply for plasma tube of He-Ne Laser.'

127/BOM/80. Jyoti Limited. 'System to modulate current through plasma tube at high voltage using power vacuum tubes and pulsing of Co. laser.'

9th May 1980

128/BOM/80. Sharayu Sharad Pathak. Ceramic Diesel filter.

12th May 1980

129/BOM/80. Kalapattu Venkataranga Meenakshi & Gorti Surayana Rama. A thyristor voltage regulator.

130/BOM/80. Ramalingam Harsha and Ramalingam Harini. A thyristor controlled voltage regulator.

131/BOM/80. Ramalingam Hasini and Ramalingam Hamsini. Six pole thyristor converter.

15th May 1980

132/BOM/80. Hoechst Pharmaceuticals Limited. A Process for the preparation of novel pharmacologically active substituted triazino (2, 1-a) isoquinolines and acid addition salts thereof.

16th May 1980

133/BOM/80. Priyal Khanderao Kulkarni & Vijay Priyal Kulkarni. Improvements in or relating to storage tanks for liquids.

134/BOM/80. Priyal Khanderao Kulkarni & Vijay Priyal Kulkarni. Improvements in or relating to hydraulic vice.

135/BOM/80. Bhavana Chemicals Limited. A Process for the preparation of optically active 2, 3-di-chloro-3-hydroxy-p-menthene.

19th May 1980

136/BOM/80. Helmut Hocdt. Facing plate and method and apparatus for making same.

137/BOM/80. Mr. Kamlabai Narayan Rashinkar. The Dispenser.

138/BOM/80. Ion Exchange (India) Limited. Process for the preparation of anion exchangers with better regeneration efficiency.

139/BOM/80. Ion Exchange (India) Limited. Purification of glyoxal by ion exchange techniques.

140/BOM/80. Ahmedabad Textile Industry's Research Association. A Device for holding a pair of cylindrical objects of different diameters for concentric or eccentric alignment thereof.

141/BOM/80. Shreepad Manohar Mondkar. A new device for fluidising solids/liquids in the medium of liquids/gases at a predetermined angle.

20th May 1980

142/BOM/80. Shashikant Gopal Keluskar. Neo-Strip capsule.

143/BOM/80. Hindustan Lever Limited. Liquid fabric-softening composition. (May 21, 1979).

23rd May 1980

144/BOM/80. P. K. Saikia. Scooter side Car Lock (Quick).

APPLICATIONS FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

27th May 1980

97/Mas/80. S. P. Subramanian & J. M. Muruganand. A Loom.

30th May 1980

98/Mas/80. M. Verghese. Self Cleaning control valve.

99/Mas/80. C.S.I. Krishnaswamy & O. K. Subramaniam. A method of preserving natural rubber latexes from deterioration.

ALTERATION OF DATE

147815. } Ante-dated 15th November, 1977  
874/Cal/79. }

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one

month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 14C.  
Int. Cl.-HO 1m 47/00.

147802.

ACID DUMPING APPARATUS FOR AUTOMOTIVE BATTERIES.

Applicant: GENERAL BATTERY CORPORATION, C/O POST OFFICE BOX 1262, READING, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor: WILLIAM JACOB EBERLE.

Application No. 352/Cal/77 filed March 9, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

Acid dumping apparatus for automotive batteries and including a tubular member adapted to accommodate a plurality about its longitudinal axis to invert said clamped within said tubular member, said tubular member being rotatable about its longitudinal axis to invert said clamped batteries to dump said therefrom, and at least two longitudinal, parallel spaced apart baffles disposed within said tubular member for rotation therewith to form at least one sealed battery processing channel therebetween.

CLASS 32cmfwyp shrdlu vmfwy 8L8 v5-

CLASS 32F<sup>2</sup>c.

147803.

Int. Cl.-CO7d 49/36.

PROCESS FOR THE PREPARATION OF 4-(HYDROXYMETHYL) IMIDIAZOLE COMPOUNDS.

Applicant: SMITHKLINE CORPORATION, OF 1500 SPRING GARDEN STREET, CITY OF PHILADELPHIA, COMMONWEALTH OF PENNSYLVANIA, 19101, UNITED STATES OF AMERICA.

Inventors: ELVIN LOWELL ANDERSON, WILFORD LEE MENDELSON AND GEORGE ROBERT WELLMAN.

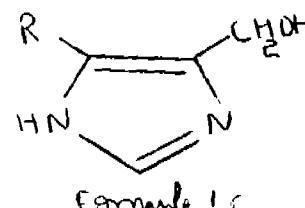
Application No. 1065/Cal/77 filed July 12, 1977.

Convention date August 16, 1976/(33932/76) U.K.

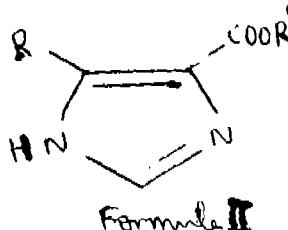
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A process for the preparation of a 4-(hydroxymethyl)-imidazole compound of the formula I.



(in which R is hydrogen or lower alkyl of 1 to 4 carbon atoms) or an acid addition salt thereof which comprises reducing a 4-imidazolecarboxylic acid ester of the formula II.



(in which R is defined above and R' is lower alkyl of 1 to 4 carbon atoms) using an alkali metal or calcium in liquid ammonia and a lower alkanol or cycloalkanol of 1 to 6 carbon atoms as a proton source which supplies protons to produce the compound of formula I, and, if desired, converting it to its acid addition salt by methods known per se.

Comp. Specn. 19 Pages. Drg. 1 Sheet.  
CLASS 186A. & 206E. 147804.  
Int. Cl.-H01p 7/00.

#### MICROWAVE BAND-PASS FILTER BUILT IN WAVEGUIDE.

*Applicant* : TAVKOZIESI KUTATO INTEZET, OF GABOR ARON UT 65, P.O.B. 15, 1525 BUDAPEST, HUNGARY.

*Inventors* : VILMOS GELEJI, LASZLO KAJDI, IMRE PRINTZ, JOZSEF SOVENYI, SANDOR SZENASI AND BELA TOTH.

Application No. 1208/Cal/77 filed August 4, 1977.  
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 8 Claims

Microwave band-pass filter, built in waveguide, with operating frequency below the waveguide cutoff, having resonators, all of which or a part of them is made of metal bars, characterized in that the capacitive tuning elements of the resonators are composed of two metal bars, which are reaching into the inner space of the waveguide 1, in a way that one of them (6) has a fixed length and its penetration depth into the waveguide is chosen to at least 30 per cent, but favourably to between 70 and 90 per cent of the waveguide inner height, and is fixed by metallic contact to one broader side 4 of the waveguide, perpendicularly to it in its middle line, and in addition, a second tuning bar 7, formed to have adjustable length toward the inner space of the waveguide, in a way known in itself, is placed to the opposite broader side 5 of the waveguide 1, perpendicularly to it, in the middle line by a sliding contact, and the longitudinal axes of these two metal bars constitutes a common one, or rather, their deviation from the common axis is not greater than any of the radii of the metal bars for tuning.

Comp. Specn. 11 Pages. Drg. 2 Sheets.  
CLASS 24D. 147805.  
Int. Cl.-B61h 13/34.

#### FILL-UP VALVE FOR COMPRESSED-AIR BRAKES.

*Applicant* : KNORR-BREMSE GMBH, 8000 MUNCHEN 40, MOOSACHER STR. 80, FEDERAL REPUBLIC OF GERMANY.

*Inventor* : THOMAS STORZINGER.  
Application No. 1486/Cal/77 filed October 7, 1977.  
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 5 Claims.

Fill-up valve for compressed-air brakes possessing a three-pressure control valve, especially of rail vehicles, with a check valve introduced into a connection from a main air conduit to a compressed-air storage tank and bridged by a vent, which check valve is loaded in closing direction by a spring, a first piston impinged upon by a brake pressure against the atmospheric pressure and a second piston impinged upon by the pressure in the storage tank against the

essentially constant reference pressure prevalent in a control chamber of the three-pressure control valve, characterized thus, that the second piston consists of two single pistons (20, 21), between whose surfaces facing each other a pre-stressed spring (24) is fixed.

Comp. Specn. 13 Pages. Drg. 1 Sheet.  
CLASS 27 D. 147806.  
Int. Cl.-E04c 3/30.

#### A COLLAPSIBLE COLUMN.

*Applicant & Inventor* : MISS KUMARI SUSRITA, C/O. L. S. DAVAR & CO., 17, CAMAC STREET, CALCUTTA-17, STATE OF WEST BENGAL, INDIA.

Application No. 30/Cal/78 filed January 9, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims.

A collapsible column consisting of a plurality of modules, said modules being interconnected and comprises of an upper and a lower member, each of said members being hingedly connected at their sides thereof by means of side frames, said frames consisting of an upper and a lower frame hingedly interconnected at their adjoining edges and such that in an erect condition of the said column or module the side frames are disposed inwardly of the said upper and lower members for a locking position while in the collapsed condition of the said column or module the upper and the lower members lie one above the other with the side frames extending outwardly of the said members.

Comp. Specn. 16 Pages. Drg. 3 Sheets.  
CLASS 80 K. & 150 E. 147807.

Int. Cl.-B01d 35/00, 37/00,  
F161 21/02.

#### IMPROVEMENTS IN OR RELATING TO FILTERING MEDIUM FOR WATER (CANDLE FILTER).

*Applicant & Inventor* : PRAVINCHANDRA CHHAGANLAL MEHTA, ROOM NO. A-106, 1ST FLOOR, 71, BIPLABI RASH BEHARI BOSE ROAD, CALCUTTA-700 001, WEST BENGAL, INDIA.

Application No. 337/Cal/78 filed March 29, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims.

A filtering medium for water which consists of a vertically disposed ceramic or porcelain cylindrical microporous candle with a hollow longitudinal passage running therethrough whose lower open end is closed by a cup-shaped cover sealed thereto with a suitable cementing material, and an outlet pipe passing through the centre of the said cup-shaped cover into the hollow passage characterised by that the space between the internal surface of the hollow passage and the outlet is covered by inserting and pasting a plastic or ceramic serrated washer which is sealed on the inner surface of the said cup-shaped cover, the outlet pipe passes through the washer and wherein the diameter of the washer is substantially equal to the internal diameter of the hollow passage so that the outer circular surface of the washer makes a tight or snug fitting with the inner surface of the hollow passage thereby ensuring leak-proof seal.

Comp. Specn. 4 Pages. Drg. 1 Sheet.  
CLASS 23D. 147808.  
Int. Cl.-B22d 43/00.

#### A SLIDING GATE VALVE FOR A TEFMING VESSEL.

*Applicant* : USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventors* : TARI PAGE SHAFI AND PATRICK DANA KING.

Application No. 277/Del/77 filed September 29, 1977.

*Inventors* : EARL PAGE SHAPLAND AND PATRICK DANA KING.

Application No. 277/Del/77 filed September 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

7 Claims.

A sliding gate valve for a teeming vessel, comprising a top plate for positioning beneath a teeming vessel and having an orifice for open communication with a teeming opening in the bottom of the vessel, a slide plate having a teeming opening and positioned beneath said top plate, means for holding the slide plate in fluid tight sliding relationship with the top plate, first moving means for moving said slide plate into and out of a position of normal open flow, and second moving means for misaligning the slide plate from its normal full flow position to throttle the teeming stream.

Comp. Specn. 10 Pages. Drg. 3 Sheets.  
CLASS 128G. 147809.  
Int. Cl.-A61M 1/00.

A HEMODIALYSIS APPARATUS FOR TREATMENT OF BLOOD TO REMOVE WASTE IMPURITIES THEREFROM.

*Applicant* : HOECHST AKTIENGESELLSCHAFT, OF POSTFACH 800 320, 6230 FRANKFURT AM MAIN 80, WFRG GERMANY.

*Inventor* : JAMES THOMAS HUTCHINSSON.

Application No. 1371/Cal/77 filed September 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A hemodialysis apparatus for treatment of blood to remove waste impurities therefrom, including : dialyzer means through which waste-impurity containing blood and a dialysate solution are passed in indirect mass transfer dialyzing relationship for transfer of said waste impurities from said blood to said dialysate solution; means for supplying waste impurity-containing blood from a patient to said dialyzer means; means for returning waste impurity-depleted blood to said patient; and means for supplying dialysate solution to said dialyzer means and means for discharging waste impurity-enriched dialysate solution from said dialyzer means forming a dialysate flow circuit, characterized in that said dialysate flow circuit includes a modularized dialysate solution manifold assembly and tubing segments for flowing dialysate solution to and discharging dialysate solution from said manifold assembly, said manifold assembly comprising :

(a) a base support plate member with main flat top and bottom surfaces having spaced-apart dialysate solution inlet and outlet openings therein, with coupling means associated with said inlet and outlet openings on the main top surface of said base support plate member for detachably joining the manifold assembly with said dialysate solution tubing segments;

(b) means positioned on the main bottom surface of said base support plate member comprising a tubular passage having an inlet and communicating with said dialysate solution inlet opening for flow of dialysate solution therethrough to an outlet end of said tubular passage and means for heating said dialysate solution in said tubular passage to form warm dialysate solution;

(c) means for sensing the temperature of said warm dialysate solution positioned downstream from said heating means and for adjusting the rate of heating of said dialysate solution by said heating means in response to said temperature sensing to maintain a predetermined dialysate solution temperature level;

(d) a flow enclosure means positioned on the main bottom surface of said base support plate member containing a dialysate solution flow passage having an inlet joined to the outlet end of said tubular passage of (b) and having an outlet communicating with said dialysate solution outlet open-

ing for flow of dialysate solution therethrough, with monitor sensing means positioned in said dialysate solution flow passage including : means for detecting blood leakage into said dialysate solution, means for sensing the electrolytic conductivity of said dialysate solution, and means for sensing said dialysate solution temperature, the apparatus being constructed such that said manifold assembly may readily be detached from said dialysate solution tubing segments and separably removed from the remainder of said hemodialysis apparatus.

Comp. Specn. 42 Pages.

Drg. 4 Sheets.

CLASS 128E & K.

147810.

Int. Cl.-A61b 17/00.

#### SURGICAL LAPAROSCOPE FOR LAPAROSCOPY.

*Applicant* : VEB KOMBINAT MEDIZIN-UND LABOR-TECHNIK LEIPZIG, OF FRANZ-FLEMMING-STRASSE 43-45, 7035 LEIPZIG, EAST GERMANY.

*Inventor* : HORST GARBZINSKI.

Application No. 349/Cal/78 filed March 31, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Surgical laparoscope consisting of an optic for operation and perforation instrument in which trocar bushing (9) of the perforated instrument and channel for instruments (2) which is situated in optical system, both have a magnetic ball valve (4, 12) characterized in that the passage (10) which opens out into the funnel-shaped recess (13) is surrounded by a concentrical magnet system (11), within of the funnel-shaped recess (13) is arranged a freely movable ferromagnetic valve ball (12) and the distal front surface (14) of the optical system (1) for surgical purposes has an oblique shape and the port of the duct for manipulation of the instrumentation channel (2) and the window (19) of the optical system are situated (17) at the base (15) of a symmetrically arranged axial slot (16) at the distal front surface (14) of the optical system (1) for surgical purposes and the outlet of the glass fiber light conductors (18) is arranged at both segmental surfaces (21) besides of the slot (16).

Comp. Specn. 10 Pages.

Drg. 1 Sheet.

CLASS 136B & 151C & F.

147811.

Int. Cl.-B29d 23/00, F16I 9/10, 9/12.

#### IMPROVEMENTS IN OR RELATING TO TUBES AND THEIR MANUFACTURE.

*Applicant* : BRITISH INDUSTRIAL PLASTICS LIMITED, OF 20 ST. MARY'S PARSONAGE, MANCHESTER M3 2NL, ENGLAND.

*Inventor* : HENRY ARTHUR WILBRAHAM.

Application No. 261/Del/77 filed September 27, 1977.

Convention date September 30, 1976/(40564/76), U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

13 Claims.

A tube comprising at least two layers of helically disposed sheet material, the edges of the sheet material of each helix abutting each other to form a continuous tube, the sheet material of one layer being disposed to bridge the joint between the edges of the sheet material in the next adjoining layer, each layer being adhered to the next adjoining layer and the sheet material comprising a fibre reinforced polymeric resin material, as herein described.

Comp. Specn. 8 Pages.

Drg. 2 Sheets.

CLASS 68B.

Int. Cl.-HO1b 1/00.

147812.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

*Applicant* : BHARAT HEAVY ELECTRICALS LIMITED, OF 18-20, KASTURBA GANDHI MARG, ANSAL BHAWAN, NEW DELHI-110001, INDIA.

*Inventor* : NANDURI VIDYARDHI.

Application No. 466/Del/77 filed December 17, 1977.

Cognate with Application No. 127/Del/78 filed February, 14, 1978.

Complete Specification left December 8, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

An isolated bus duct comprising at least one first tube and a second tube deposited coaxial to and spaced from the first tube or first tubes, the first tube or first tubes being supported on insulators characterized in that a plurality of spaced circumferential slots are provided on the first tube or first tubes.

Prov. Specn. 4 Pages. Comp. Specn. 9 Pages. Drg. 2 Sheets.

CLASS 68B.

147813.

Int. Cl.-HO1r 5/00.

ISOLATED PHASE BUS DUCTS.

*Applicant* : BHARAT HEAVY ELECTRICALS LIMITED, OF 18-20, KASTURBA GANDHI MARG, ANSAL BHAWAN, NEW DELHI-110001, INDIA.

*Inventor* : NANDURI VIDYARDHI.

Application No. 467/Del/77 filed December 17, 1977.

Complete Specification left May 8, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

An isolated phase bus duct comprising a first elongate member and a second elongate member, both members being made of an electrical conductor material, the said first elongate member being supported on insulators within the said second elongate member, coaxial to but spaced from the second elongate member characterised in that the said first or inner elongate member comprises a plurality of tubes, rods, angle members or flats spaced from each other and arranged to lie on the periphery of an imaginary coaxial cylinder.

Prov. Specn. 4 Pages. Comp. Specn. 9 Pages Drg. 1 Sheet.

CLASS 206E.

147814.

Int. Cl.-HO11 7/00, 9/00.

A METHOD OF FABRICATING THYRISTOR AND DIODE SEMICONDUCTOR DEVICES BY TAILORING OR MODIFYING THEIR RECOVERY CHARGES.

*Applicant* : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

*Inventors* : KRISHAN SUKHLAI TARNEJA, JOSEPH EDGAR JOHNSON AND JOHN BARTKO.

Application No. 526/Cal/77 filed April 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A method of fabricating at least one diode or thyristor by tailoring the recovery charge of at least an original one of a junction diode or a thyristor semiconductor body, comprising the steps of : positioning a major surface of said or each original junction diode or thyristor a semiconductor body in the proximity of an electron radiation source; thereafter irradiating said or each semiconductor body with the electron radiation source; thereafter irradiating said or each semiconductor body with the electron radiation source to a dosage level between  $1 \times 10^2$  electron/cm<sup>2</sup> to reduce the recovery charge of said or each irradiated body.

Comp. Specn. 19 Pages.

Drg. 2 Sheets.

CLASS 32F<sub>2</sub> b. & 55E<sub>4</sub>.

147815.

Int. Cl.-C07d 51/48.

PROCESS FOR PRODUCTION OF QUINAZOLINE DERIVATIVES.

*Applicant* : AMERICAN HOME PRODUCTS CORPORATION, OF 685, THIRD AVENUE, NEW YORK 10017, UNITED STATES OF AMERICA.

*Inventor* : KURT WILLI LEDIG.

Application No. 874/Cal/79 filed August 23, 1979.

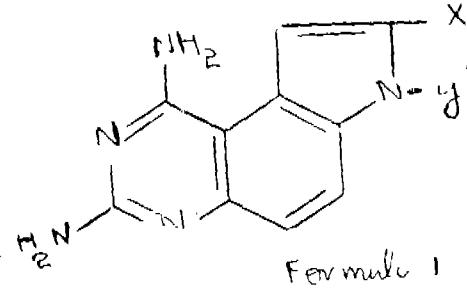
Convention date December 23, 1976/(53821/76) U. K.

Division of Application No. 1610/Cal/77 filed November 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

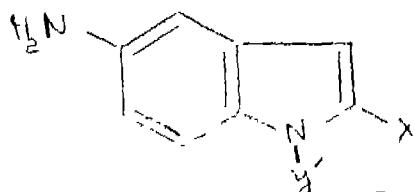
A process for preparing a compound of the general formula (I).



or a non-toxic acid addition salt thereof, wherein :

(a) X is hydrogen and Y<sup>1</sup> is hydrogen or -CH<sub>2</sub>R wherein : R is hydrogen; methyl; ethyl; n-propyl; i-propyl; n-butyl; i-butyl; n-pentyl; n-hexyl; 2-methyl-1-propenyl; cyclobutyl; cyclopentyl; cyclohexyl; 2-phenylethyl; 2-phenylvinyl; phenyl; phenyl mono-substituted in the 2-, 3-, or 4-position by chlorine, bromine, iodine, fluorine, trifluoromethyl, methyl, ethyl, n-propyl, i-propyl, n-butyl, i-butyl, t-butyl, methoxy, ethoxy, n-propoxy, trifluoromethoxy, cyano, methylsulfonyl, acetyl, propionyl, methylthio, ethyl-thio, carboxy, carboxyl, sodium carboxy, or potassium carboxy; phenyl monosubstituted in the 3-position by amino or nitro; phenyl disubstituted in the 2-, 3-, 2-, 4-, 2-, 5-, 2-, 6-, 3-, 4-, or 3-, 5-positions by methyl, ethyl, n-propyl, methoxy, ethoxy, n-propoxy chlorine, bromine, iodine, or fluorine; phenyl tri-substituted in the 2-, 4-, 6- or 3-, 4-, 5-positions by methyl, ethyl, methoxy or ethoxy; 2-, 3-, 5-, 6-tetramethylphenyl; 3-, 4-(methylene dioxy) phenyl; 1-naphthalenyl; 2-naphthalenyl; 2-methyl-1-naphthalenyl; 1-bromo-2-naphthalenyl; 2-pyridinyl; 3-pyridinyl; 4-pyridinyl; 2-quinolinyl; 8-quinolinyl; 2-thienyl; 3-thienyl 4-thiazolyl; 3, 5-dimethyl-4-isoxazolyl; tetrahydro-2-furanyl or benzof[b]thien-3-yl; or (b) X is methyl, phenyl or chlorine, and Y<sup>1</sup> is hydrogen, methyl, benzyl, 3-cyanobenzyl, 4-cyanobenzyl, or 2-, 5-dimethylbenzyl; provided that when X is phenyl, Y<sup>1</sup> may only be hydrogen or methyl, and when X is

chlorine,  $Y^1$  may only be benzyl, which comprises reacting an acid addition salt of a compound of formula (IV).



Formula IV

wherein X and  $Y^1$  are as defined above with the proviso that  $Y^1$  does not carry an amino substituent, with an alkali metal dicyanamide at a temperature of about 185° to about 210°C in an aliphatic alcohol solvent to give a corresponding compound of formula I, and further, when required reducing a compound of the formula (I) obtained wherein  $Y^1$  carries a nitro substituent to give a corresponding compound of formula I wherein  $Y^1$  carries an amino substituent, and if desired isolating the product as a free base or a non-toxic acid addition salt.

Comp. Specn. 56 Pages.

Drg. 1 Sheet.

CLASS 63C.

147816.

Int. Cl.-HO1r 39/18.

**A METHOD OF PRODUCING A BRUSH FOR A DYNAMO ELECTRIC MACHINE.**

*Applicant* : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B 19 2XF, ENGLAND.

*Inventor* : BRIAN ROBERT ALLEN.

Application No. 482/Cal/77 filed March 30, 1977.

Convention date April 9, 1976/(14473/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A method of producing a brush for a dynamo electric machine, comprising the step of passing a heating current through a powder compact of the brush material and a conductive member in electrical contact with said powder compact so as to sinter the compact and connect the conductive member to the compact.

Comp. Specn. 17 pages.

Drg. 1 Sheet.

CLASS 32A.

147817

Int. Cl.-C09b 29/10, 35/02.

**A PROCESS FOR THE PREPARATION OF NEW RED TRIAZINYLAZONAPHTHOL DISPERSE DYES FOR POLYESTER FIBRES.**

*Applicant* : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

*Inventors* : NAGARAJ RAMANUJ AYYANGAR RAGHOPAL JAGANNATH LAHOTI AND DILIP RAGHUNATH WAGLE.

Application No. 15/Del/78 filed January 6, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

4 Claims.

A process for the preparation of red triazinylazonaphthol disperse dyes 2'-(1-hydroxynaphthyl-2-azo)-4', 6'-disubstituted-s-triazine of formula (A).

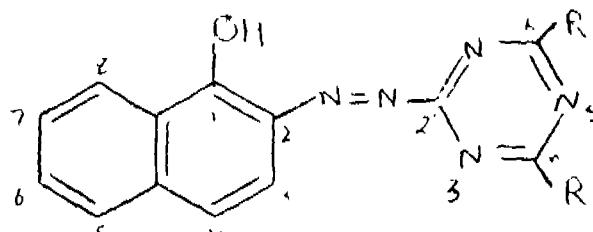


Fig. A

for polyester fibres comprising reacting 2-hydrazino-4, 6-disubstituted-s-triazine of formula of Fig. B.

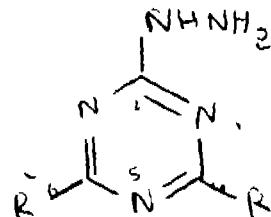


Fig. B

with 1, 2-naphthoquinone wherein R is monomethylamino radical of formula of Fig. C.

 $R = NHMe$ 

dimethylamino radical of formula of Fig. D.

 $R = NMe_2$ 

morpholino radical of formula of Fig. E.

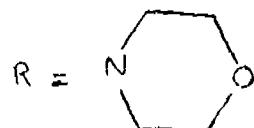


Fig. E

piperidino radical of formula of Fig. F.



Fig. F

or aniline radical of formula of Fig. G  $R = NHPh$ 

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

CLASS 101F &amp; 140B. &amp; 152E.

147818

Int. Cl.-B67d 5/00, G05d 7/00, 16/00, C08f 29/38.

**FLOW IMPROVERS FOR WAXY PETROLEUM CRUDE OIL AND THE CRUDE OIL CONTAINING THE SAME.**

*Applicant* : INDIAN OIL CORPORATION LTD., AT 254-C, DR. ANNIE BESANT ROAD, PRABHADEVI, BOMBAY-400 025, MAHARASHTRA, INDIA.

*Inventors* : AMBRISH KUMAR MISRA, NAVIN CHANDRA JOSHI, DR. KANAI LAL MALLIK, DR. HEJAMADI SHREEPATHI RAO AND DR. JOGINDER SINGH AHLUWALIA.

Application No. 98/Del/77 filed May 11, 1977.

Complete Specification left May 11, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 12 Claims.

A flow improver for incorporation into waxy petroleum crude oil to facilitate transportation of the oil through pipe lines which comprises an ester co-polymer and a diester polymer as herein described, in the ratio of 1:9 to 9:1 parts by weight.

Prov. Specn. 6 Pages. Comp. Specn. 19 Pages. Drg. 1 Sheet.  
CLASS 49H 147819

Int. Cl. A 47 j 27/084 & 27/086

A VARIABLE CAPACITY ELECTRIC PRESSURE COOKER.

*Applicant* : C. K. JAMUNABAI, 15-C, ASHOK AVENUE, KODAMBAKKAM, MADRAS 600024, TAMIL NADU.

*Inventor* : CHERUKUR KRISHNASWAMY BHASKAR.

Application No. 6/Mas/78 filed January 21, 1978.

Post dated to April 28, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims.

A variable capacity electric pressure cooker comprising a vessel, a lid, a holder means for fitting an electrical heating element and a volume increasing means, said volume increasing means being a hollow cylinder in shape having seating arrangement flapped at the top end and grooved at the bottom end, the said bottom end of the said volume increasing means being fitted with a gasket for making it air tight on the said vessel, said lid being fitted with a gasket for making it air tight on the top of said volume increasing means, a hole in said cooker being provided for fitting said element inside said cooker through the said holder and handles being fitted at both ends of said volume increasing means.

(Com.-2 pages; Drwgs.-1 sheet).

CLASS 200A 147820  
Int. Cl. F 03 b 17/04 & 17/02.

A WATER LIFTING DEVICE FOR USE, SUCH AS, IN IRRIGATION.

*Applicant & Inventor* : DEVENDRA HIRALAL VEECUMSEE, NO. 123, MOUNT ROAD, MADRAS-600 006, TAMIL NADU.

Application No. 21/Mas/78 filed February 20, 1978.

Complete specification left April 22, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 6 Claims.

A water lifting device for use, such as, in irrigation, comprising at least one rotatably mounted paddle wheel disposed in a waterway; a second wheel provided with buckets/cups also disposed in the waterway with a chute mounted close thereto, said second wheel being coupled to the paddle wheel such that as the water in the waterway actuates the paddle wheel, the said second wheel is also actuated to lift the water and discharge the same through the chute into an adjacent channel or reservoir.

(Prov.-5 pages; Com.-7 pages; Drwgs.-2 sheets).

CLASS 146-D<sub>2</sub> 147821  
Int. Cl. G 03 b 21/10.

OPTICAL CENTERING PROJECTOR.

*Applicant* : CENTRAL MACHINE TOOL INSTITUTE, TUMKUR ROAD, BANGALORE-560022, KARNATAKA.

*Inventors* : DR. DEVADAS SHETTY & PERUMAL-SWAMY BALAKRISHNAN.

Application No. 69/Mas/78 filed May 29, 1978.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims.

An optical Centering Projector comprising a cast aluminum body housing a bulb holder fixed by a screw and a bulb fixed to the said bulb holder and retained in position by a bush, condenser lenses fixed in position in front of the said bulb, a plate type beam splitter with semi reflecting surface facing the said condenser at an angle of 45°, the said beam splitter transmits 55% of the incident light and reflects the rest, the said beam splitter fixed to a beam splitter holder by adhesive, an objective lens assembly fixed to the said body by four screws a reflecting mirror fixed on a mirror holder by adhesive and held in position by means of screws and a compression spring, a ground glass screen held to a holder by adhesive and fixed to the said body by three screws, a hood consisting of a field lens is fixed to the said body, a top cover being connected to the body by screws to which is connected the mounting taper enabling the said Optical Centering Projector to be fixed on a machine.

(Com.-6 pages; Drwgs.-2 sheets).

CLASS 49E 147822  
Int. Cl. A 47 j 43/00.

A DEVICE MAKING CHAPATIS, PURIS, PAPADS AND THE LIKE.

*Applicant & Inventor* : NAUDIRAJU KRISHNA RAO, 6-1-343/3, PADMARAO NAGAR, SECUNDERABAD-500 025 ANDHRA PRADESH.

Application No. 120/Mas/78 filed August 3, 1978.

Complete specification left November 20, 1978.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims.

A device for making chapatis, puris, papads and the like comprising an upper member hingedly mounted on a flat base member, a shaft passing coaxially through the said upper member to provide a middle member rigidly fixed thereon, the underside of the said upper member being equipped with a plurality of rotatable rollers radially disposed and each of which is mounted pivotally in-between the said middle member and a support means circumferentially disposed from the said upper member, and a means such as a circular plate or disc pivotally fixed to the said shaft and disposed at the underside of the said middle member.

(Prov.-4 pages; Com. 6 pages; Drwg. 1 sheet) of size 41 cms. X 33 cms.

Class 69 I+Q 147823  
Int. cl. H 01 h 37/00.

THERMOMECHANICAL SWITCH.

*Applicant & Inventors* : KISHEN GOPAL PANJE C/o. G. V. SIRUR, 7TH FLOOR SUNDATTA APARTMENTS, MALABAR HILL, BOMBAY 400 006.

Application No. 304/BOM/77 filed on Oct. 17, 1977.

Complete specification left Oct 6, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

## 4 Claims.

1. A thermo-electric switch or device for actuating an electrical switch, mechanical apparatus, relay and the like to be turned to the OFF position or non operating position at a desired temperature comprising a sealed container filled with a material which melts at a temperature at or about the temperature at which the switch is to be turned to the OFF position, a shaft rotatably mounted in said container a body with friction or rough outer surface mounted on said shaft within the container such that when the material is in solid or semi solid state the shaft is constrained or restrained from turning, said shaft extending from the said container, a spring loaded rod held by the said extension of the shaft from moving under the force of its spring so that when the said material has melted the restraining force on the shaft and consequently on the rod is removed and the spring causes

the rod to move and actuate the switch or the like to the OFF position.

Provisional specn 4 pages drawing 1 sheet.

Complete specn 10 pages drawing 1 sheet.

#### OPPOSITION PROCEEDINGS

An opposition has been entered by Venus Engineering Co., to the grant of a patent on application No. 147109 made by Bhupendra Purushottam Shroff.

#### PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undenoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

142007 142008 142009 142010 142011 142012 142013 142014  
142016 142017 142018 142019 142020 142021 142022 142023  
142024 142025 142026 142027 142028 142029 142030 142031  
142032 142033 142034 142035 142036 142037 142038 142039  
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142048 142049 142050 142051 142052 142053 142054 142055  
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138992 138993 138994 138996 138998 138999 139000 139001  
139002 139003 139004 139005 139006 139007 139008 139009  
139010 139011 139012 139013 139014 139018 139019 139022  
139023 139024 139025 139026 139027.

#### PATENTS SEALED

132382 140544 140703 141522 141688 141718 141760 141765  
143022 143433 143564 143658 143721 143884 146472 146719  
146735 146744 146747.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that De Beers Industrial Diamond Division Limited, a company registered according to the laws of the Republic of South Africa, of 8th Floor, 45 Main Street, Johannesburg, Republic of South Africa, have made an application under Section 57 of the Patents Act 1970 for amendment of specification of their application for patent No. 146539 for "Method of cutting a materials using spark erosion techniques". The amendments are by way of correction and explanation so as to describe and ascertain the invention more correctly and clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office 214, Acharya Jagadish Bose Road, Calcutta-700017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

#### REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS).

Assignments, Licences or other transactions affecting the interests of the original patentee have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests:—

94576  
98740  
13919  
113998  
J21962  
139183 } M/s. Stanadyne, Inc.

#### RENEWAL FEES PAID

100032 100075 100076 100117 100138 100425 101340 102376  
105611 105632 105652 105760 105966 106698 106741 110780  
110952 110995 111035 111054 111098 111226 111229 111242  
111319 111331 111333 111340 111436 111593 111953 112047  
112164 112408 113861 115873 116223 116261 116293 116309  
116379 116387 116949 116981 116982 117006 117259 118111  
120228 121600 121674 121675 121698 121699 121746 121755  
121892 121893 121922 121950 121969 121991 122039 122322  
122363 122501 122562 123442 124232 126295 126346 126808  
126971 126974 126995 127033 127039 127085 127088 127125  
127165 127231 127266 127331 127672 127888 131561 131602  
131604 131684 131714 131748 131772 131779 131782 131810  
131840 131852 131894 131904 131940 132804 135496 135497  
135644 135766 135767 135768 135769 135863 135878 136347  
136423 136425 136427 136547 136718 137076 137085 137726  
137963 138072 138352 138353 138487 138679 138760 138893  
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145401 145468 145490 145775 145970 145958 146008 146059  
146165 146220 146334 146336 146340 146342 146412 146451  
146521 146560 146564.

#### CESSATION OF PATENTS

138724 139633 139635 139639 139640 139645 139648 139651  
139653 139657 139664 139670 139671 139675 139679 139684  
139686 139690 139691 139697 139698 139699 139700 139605  
139608 139712 139717 139727 139743 139748 139750 139759  
139763 139770 139780 139781 139783 139794 139795 139801  
139808 139809 139811 139817 139838 139848 139849 139866  
139871 139882 139891 139892 139893 139897 139898 146135

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 148680. Royal Engineering Industries, 400, Nava India Road, Coimbatore-641006, Tamil Nadu, an Indian Proprietorship Firm. "A Steel Bureau". July 23, 1979.

Class 1. No. 148681. Royal Engineering Industries, 400, Nava India Road, Coimbatore-641006, Tamil Nadu, an Indian Proprietorship Firm. "A Steel Bureau". July 23, 1979.

Class 1. No. 148682. Royal Engineering Industries, 400, Nava India Road, Coimbatore-641006, Tamil Nadu, an Indian Proprietorship Firm. "A Steel Bureau". July 23, 1979.

Class 1. No. 148717. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Flashlight". August 1, 1979.

Class 1. No. 148719. National Winder and also Raj Kumar Sah and Sons, Registered Partnership Concern of Pishachmochan Road, Chetganj, Varanasi 221001, Uttar Pradesh, India. "Fan". August 1, 1979.

Class 1. No. 148802. Pranjivandas Chakubhai Gandhi, an Indian Citizen, 1st floor, 'Girija' Sant Tukaram

pension device for collapsable gate and collapsable shutter gate". September 10, 1979.

Class 1. No. 148803. Swam Pneumatics (P) Ltd., E-72 Kalkaji, New Delhi-110019, Union Territory of India, India, a private limited company. "Rota twin-lobe compressor". September 10, 1979.

Class 1. No. 148823. Crompton Greaves Limited of Kan Bhandup, Bombay-400078, Maharashtra, India. "Lighting devices". September 21, 1979.

Class 1. No. 148837. N. V. Philips' Gloeilampenfabrieken, a limited liability company organised and established under the laws of the Kingdom of Netherlands, carrying on business at Emmasingel, Eindhoven, Netherlands. "a lamp fitting". September 25, 1979.

Class 1. No. 148910. Ahmedabad Textile Industry's Research Association, an Indian Registered Body, P.O. Polytechnic, Ahmedabad-380015, Gujarat, India. "West carrier for multiphase weaving machine". October 16, 1979.

Class 1. No. 148961. Jogico Electricals, 62/12, Jawahar Nagar, Ludhiana-141002, Punjab, an Indian Sole Proprietary Concern. "Printing/Fusing Press". November 5, 1979.

Class 1. No. 149077. Sweet Trade, Mittal Industrial Estate, Building No. 1, Unit No. 44, Kurla Andheri Road, Bombay-400 059, Maharashtra, India, an Indian Partnership Firm. "Horn Ring for Cars". October 10, 1979.

Class 1. No. 149134. Baqar Hussain of 6385, Gali Ishwari Parshad, Bara Hindu Rao, Delhi-110006, Indian National. "Mirror stand". January 1, 1980.

Class 1. No. 149148. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Cap for container-B". January 8, 1980.

Class 1. No. 149150. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Cap for container-D". January 8, 1980.

Class 1. No. 149151. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Cap for container-E". January 8, 1980.

Class 1. No. 149152. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Cap for container-F". January 8, 1980.

Class 1. No. 149264. Odesskoe Spetsialnoe Konstruktorskoe Bjuro Spetsialnykh Stankov of Odessa, Prospekt Gargarina, 25, U.S.S.R. "Grinder". February 7, 1980.

Class 1. No. 149265. Odesskoe Spetsialnoe Konstruktorskoe Bjuro Spetsialnykh Stankov of Odessa, Prospekt Gargarina, 25, U.S.S.R. "Grinder". February 7, 1980.

Class 1. No. 149266. Odesskoe Spetsialnoe Konstruktorskoe Bjuro Spetsialnykh Stankov of Odessa, Prospekt Gargarina, 25, U.S.S.R. "Grinder". February 7, 1980.

Class 3. No. 148336. Rumi Plastics, 8A, Indian Metal & Forging Rolling Mills Compound, Lal Bahadur Shastri Marg, Vikhroli (West), Bombay-400083, Maharashtra, an Indian Partnership Firm. "Jerry Can". April 18, 1979.

Class 3. No. 148644. Kusum Kumar Arora, Indian, of 32, White Avenue, Maqbool Road, Amritsar (Punjab), India. "Lipstick container". July 16, 1979.

Class 3. No. 148687. Eagle Products, 157, Veena Dalvai Industrial Estate, S. V. Road, Jogeshwari (W), Bombay-400060 (Maharashtra State) an Indian Partnership Concern. "Container". July 24, 1979.

Class 3. No. 148688. Eagle Products, 157, Veena Dalvai Industrial Estate, S. V. Road, Jogeshwari (W), Bombay-400 060 (Maharashtra State), an Indian Partnership Concern. "Container". July 24, 1979.

Class 3. No. 148690. Elesa S.p.A., an Italian Company, of via degli Omenoni 2, 20121 Milano, Italy. "An adjustable control lever". July 25, 1979.

Class 3. No. 148716. Union Carbide India Limited, an Indian Company of 1, Middleton Street, Calcutta-700071, West Bengal, India. "Flashlight". August 1, 1979.

Class 3. No. 148756. Saiko Matex Engineering Pvt. Ltd., 5, Parekh Market, 39, Kennedy Bridge, Bombay-400004, Maharashtra State, an Indian Private Limited Company. "Fog lamp for automobiles". August 20, 1979.

Class 3. No. 148818. M/s. Revon Cosmetics, 6, Abida House, Dontad Cross Lane, 1st floor, Room 2/3, Bombay-400009, Maharashtra, an Indian Proprietary Concern. "Plastic Cap". September 19, 1979.

Class 3. No. 148873. Paros Electronics (P) Ltd., 5, Community Centre, Naraina Industrial Area, New Delhi-110028, an Indian Private Limited Company. "Cassette". October 6, 1979.

Class 3. No. 148944. Jatinder Kumar Chopra, No. 102, Kirti Nagar, New Delhi-15, an Indian National. "Car Hub Cover". October 29, 1979.

Class 3. No. 148945. Jatinder Kumar Chopra, No. 102, Kirti Nagar, New Delhi-15, an Indian National. "Cleaner". October 29, 1979.

Class 3. No. 149078. Indian Cosmetics, 35J, Raja Naba Kissen Street, Calcutta-700005, West Bengal, an Indian Proprietorship Concern. "Container". December 10, 1979.

Class 3. No. 149080. Trescho Incorporation of 288/90, Nagdevi Street, 1st floor, Room No. 12-A, Bombay-400003, State of Maharashtra, India, a partnership firm. "A cap for container". December 10, 1979.

Class 4. No. 148804. Charulata Janardan Sawant, an Indian National, trading as Rajesh Associates, 1, Raja Market New Nagardas Road, Andheri (E) Bombay-400069. "Concrete sleeper". September 10, 1979.

Class 4. No. 148816. Motsons Laboratories, also as B.H. Moti Ram Hakim & Sons, Patchpuri, Delhi-110006, Indian Partnership Concern. "Bottle". September 18, 1979.

Class 4. No. 148819. M/s. Revon Cosmetics, 6, Abida House, Dontad Cross Lane, 1st floor, Room 2/3, Bombay-400009, Maharashtra, an Indian Proprietary Concern. "Glass Bottle". September 19, 1979.

Class 4. No. 148833. N. V. Philips' Gloeilampenfabrieken of Emmasingel, Eindhoven, Netherlands. "Lamp". September 24, 1979.

Class 4. No. 148834. N. V. Philips' Gloeilampenfabrieken of Emmasingel, Eindhoven, Netherlands. "Lamp". September 24, 1979.

Class 4. No. 148836. N. V. Philips' Gloeilampenfabrieken of Emmasingel, Eindhoven, Netherlands. "Lamp". September 24, 1979.

Class 4. No. 149074. Mirrorcraft Inc., of 2074, Arlington Avenue, Columbus, Ohio 432221, United States of America. "Mirror for automotive vehicles". December 7, 1979.

Class 4. No. 149075. Mirrorcraft Inc., of 2074, Arlington Avenue, Columbus, Ohio 432221, United States of America. "Mirror for automotive vehicles". December 7, 1979.

Class 8. No. 149153. Pande Cameron & Co. of New York, 200, Lexington Avenue, New York, N.Y. 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149154. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149155. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149156. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149157. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149168. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149169. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149170. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149171. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 8. No. 149172. Pande Cameron & Co., of New York, 200, Lexington Avenue, New York 10016, U.S.A. "Floor Coverings". January 9, 1980.

Class 10. No. 148704. Industrial & Commercial Traders, Swastik Industrial Compound, Ram Baug, Swami Vivekanand Road, Malad (West), Bombay-400064, Maharashtra, India, an Indian Partnership Firm. "Footwear". July 28, 1979.

Class 10. No. 148740. Bata India Limited of 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a footwear". August 9, 1979.

Class 10. No. 148741. Bata India Limited of 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a footwear". August 9, 1979.

Class 10. No. 148742. Bata India Limited of 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a footwear". August 9, 1979.

Class 10. No. 148743. Bata India Limited of 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a footwear". August 9, 1979.

Class 10. No. 148745. Bata India Limited of 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a footwear". August 9, 1979.

Class 10. No. 148747. Bata India Limited of 30, Shakespeare Sarani of 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a footwear". August 9, 1979.

Class 10. No. 148971. Bata India Limited of 30, Shakespeare Sarani of 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "a footwear". November 7, 1979.

Class 10. No. 148972. Bata India Limited of 30, Shakespeare Sarani of 30, Shakespeare Sarani in the town of Calcutta, West Bengal. "footwear". November 7, 1979.

Class 11. No. 148897. Cotex Hosiery Factory, Acme Estate, C-6, 2nd floor, Sewri (East), Bombay-400015, Maharashtra, an Indian Partnership firm, "M.C. Belt". October 12, 1979.

Class 11. No. 148898. Cotex Hosiery Factory, Acme Estate, C-6, 2nd floor, Sewri (East), Bombay-400015, Maharashtra, an Indian Partnership firm, "M.C. Pad". October 12, 1979.

Class 12. No. 148921. Monita Baking Corporation, 66, off Haines Road, Worli, Bombay-400018, Maharashtra, an Indian Partnership firm. "Ice Cream Cone". October 22, 1979.

Class 12. No. 148922. Monita Baking Corporation, 66, off Haines Road, Worli, Bombay-400018, Maharashtra, an Indian Partnership firm. "Ice Cream Cone". October 22, 1979.

Class 12. No. 149270. Wan Ki Min, a citizen of the Republic of Korea, of Shibum Apt. No. 13-122, 1-45, Yoido-Dong, Yongdongpo-Ku, Seoul, Korea. "Cigarettes". February 8, 1980.

Class 12. No. 149271. Wan Ki Min, a citizen of the Republic of Korea, of Shibum Apt. No. 13-122, 1-45, Yoido-Dong, Yongdongpo-Ku, Seoul, Korea. "Cigarettes". February 8, 1980.

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